# Ardusa

## A Grammar of the Ardusan Languages

by Ian A. Cook

last edited September 23, 2018

#### Ardusa: A Grammar of the Ardusan Languages

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Ardusa is a fictional landmass set in a fictional constructed world. All of the languages spoken on Ardusa, such as Tavonic, Alnuric, Redodhic, and others, are themselves fictional, spoken by fictional groups of people, and as such are not related to any naturally existing languages. These languages' vocabularies are entirely *a priori*, which means that no words are derived from the vocabularies of real-world languages. That being said, these languages are intended to be naturalistic, so similarities will occur. Nonetheless, any actual duplication is accidental.

- No website yet
- https://github.com/nai888/ardusa
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# Contents

Li	st of I	igures		v
Li	st of I	Tables		vi
Ał	brevi	ations		vii
Ac	know	ledgmer	nts	viii
Pr	eface			ix
Ι	Tav	onic La	anguage Family	I
I	Hist	ory and	Ethnography	2
	I.I	Brief H	listory	2
	1.2	Ethnog	graphy	3
		I.2.I	Demonyms and Language Names	3
		1.2.2	Ethnology	3
		1.2.3	Demography	3
2	Pho	nology		4
	2.I	Tavonio	Phoneme Inventory	4
		2.I.I	Consonants	4
		2.1.2	Vowels	7
	2.2	Tavonio	Phonotactics	7
		2.2.I	Syllable Structures	7
		2.2.2	Phonological Changes	8
		2.2.3	Syllable Parsing	8
		2.2.4	Number of Syllables per Word	8
	2.3	Tavonio	Prosody	
		2.3.I	Syllable Weight	8
		2.3.2	Word Stress	8

		2.3.3	Intonation	8				
	2.4	Alnuric	Phoneme Inventory	8				
		2.4.I	Consonants	8				
		2.4.2	Vowels	8				
	2.5	Alnuric	Phonotactics	9				
		2.5.I	Syllable Structures	9				
		2.5.2	Phonological Changes	9				
		2.5.3	Syllable Parsing	9				
		2.5.4	Number of Syllables per Word	9				
	2.6	Alnuric	Prosody	9				
		2.6.I	Syllable Weight	9				
		2.6.2	Word Stress	9				
		2.6.3	Intonation	9				
	2.7	Redodh	ic Phoneme Inventory	9				
		2.7.I	Consonants	IO				
		2.7.2	Vowels	IO				
	2.8	Redodh	ic Phonotactics	IO				
		2.8.1	Syllable Structures	IO				
		2.8.2	Phonological Changes	IO				
		2.8.3	Syllable Parsing	IO				
		2.8.4	Number of Syllables per Word	IO				
	2.9	Redodh	iic Prosody	IO				
		2.9.I	Syllable Weight	IO				
		2.9.2	Word Stress	IO				
		2.9.3	Intonation	II				
3	Morp	ohologic	al Typology	12				
	1.6	1 1						
4	Morp	ohology		13				
_	Com	poundin	·α	T.4				
5	Com	poundin	8	14				
6	Time	and Me	easurement	15				
_			·	-,				
7	Derivation 16							
8	Synta	ıx		17				
9	Discourse							
10								
10								
II	Alnuric Reference Grammar							
12	Redodhic Reference Grammar							

II	Kalaakan Language Family	23
13	History and Ethnography	24
14	Phonology	25
15	Morphological Typology	26
16	Morphology	27
17	Compounding	28
18	Time and Measurement	29
19	Derivation	30
20	Syntax	31
<b>2</b> I	Discourse	32
22	Kalaakan Reference Grammar	33
23	Elvish Reference Grammar	34
24	Dwarvish Reference Grammar	35
25	Orcish Reference Grammar	36
III	Kunmian Language Family	37
26	History and Ethnography	38
27	Phonology	39
28	Morphological Typology	40
29	Morphology	41
30	Compounding	42
31	Time and Measurement	43
32	Derivation	44
33	Syntax	45
34	Discourse	46

35	Kunmian Reference Grammar	47
36	Gnomish Reference Grammar	48
IV	V Appendices	49
A	Conceptual Metaphors	50
В	Kinship	51
C	Names	52
D	Examples	53
E	Vocabulary	54
Bil	bliography	55
Inc	dex	57

# List of Figures

# List of Tables

2.I	Tavonic Consonant Inventory	5
	Tavonic Consonant Romanization	
2.3	Tavonic Vowel Inventory	7

# **Abbreviations**

AN animate
IND indicative
INF infinitive
PL plural

PRF perfective PRG progressive

PST past TOP topic

\* ungrammatical

grammatically questionable

semantically odd or ill-formed

# Acknowledgments

Given that I have not taken any official linguistics coursework, this work would not be possible without several sources of linguistic education. Mark Rosenfelder's *The Language Construction Kit* and *Advanced Language Construction Kit* were important to my first starting out in the world of language construction, with further knowledge gained from David J. Peterson's *The Art of Language Invention*. Of course, I received an unmeasurable amount of education via several online sources, especially the articles available on Wikipedia. Yet more education, as well as inspiration and motivation, have come from the *Conlangery* podcast and all its hosts and guests. Lexicon generation received guidance from Mark Rosenfelder's *The Conlanger's Lexipedia* and William S. Annis' *A Conlanger's Thesaurus*.

Finally, this document's format, layout, and organization have been influenced by several sources, particularly Thomas E. Payne's *Describing Morphosyntax*, Carsten Becker's *A Grammar of Ayeri*, and Matt Pearson's *The Okuna Reference Grammar*.

## **Preface**

This document provides a detailed grammatical description of the languages of Ardusa, a fictional landmass set in a fictional constructed world. This project serves as a method for linguistic research, as an intellectual exercise, as an outlet for creative and artistic expression, and as a setting for potential future works of fiction. It is intended primarily for my own personal use and entertainment, though others with similar linguistic interests will hopefully find it interesting and entertaining as well. I have chosen to use LateX to typeset this grammar because it provides a way to be clear, consistent, and organized. Further, since LateX uses plain text files, it allows me to use Git for version control so I can keep track of changes over time.

My goal is to build a series of languages with naturalistic grammars that are linguistically plausible and consistent, yet also original in their content and details. This project consists of three distinct and unrelated language families, each of which contains one or more related languages. Some elements of these languages are influenced by existing languages such as Japanese, Finnish, Navajo, Nahuatl, and Arabic, but they are not meant to simply mimic these, instead drawing this inspiration into new forms along with entirely *a priori* lexicons. Ardusa and the Ardusan languages is an ongoing project with no fixed endpoint or goal.

This concise grammar is my attempt to document the Ardusan languages in an official and systematic way, and as comprehensively as possible. It is intended to be the official description of the languages. This is a concise grammar because, admittedly, I am not a professional linguist, nor have I taken any linguistics coursework. My education in linguistics consists solely of self-guided research, which means invariably my knowledge will be limited. It is a concise grammar because, frankly, I don't know enough to go into greater detail. That being said, I'm always eager to learn, and will always accept feedback. Again, learning is one of the reasons for this endeavor.

Since the purpose of writing this grammar is to provide a comprehensive description of the Ardusan languages, not to teach them to others, it is not intended to serve as a textbook or as a way to learn the languages. I have organized topics thematically, rather than curricularly, and I employ technical terms when they are precise, accurate, and appropriate. I have not conducted a formal analysis of the languages, but I have worked to make it as descriptive as possible.

The discussion is ordered from the smallest elements of the languages to the largest. It begins with a description of each language's place in Ardusa followed by their phonologies, it addresses morphology and the combining of words, it discusses vocabulary and derivation, and it explains syntax and discourse. The final chapter serves as a reference grammar, summarizing all of the previous chapters. There are

also several appendices describing the conceptual metaphors that organize much of the lexicons, the naming practices of the fictional speakers of these languages, several translation examples, and lexicons. Other resources include a glossary of linguistic glossing abbreviations, a bibliography, and an index.

This document uses several linguistics conventions to clarify meaning. Any reference to specific orthographic spelling is marked with angled brackets, such as  $\langle \text{hin} \rangle$ . Pronunciations are usually given phonemically, in which case they are marked with slashes, such as /hin/. Phonetic pronunciations are used only when conveying specific details like the difference between allophones, and are marked with square brackets, such as [çin]. Both phonemic and phonetic pronunciations are given using the International Phonetic Alphabet. Foreign words are always written in italics, such as lu. English glosses are surrounded by single quotes, such as 'and'. If a morphological gloss is provided in-line, it is surrounded by parentheses, such as (INF).

Many short examples are provided in one single line.

#### (i) Tavonic: šek /ʃek/ 'ran' (run.ind.pst.prf)

Longer examples are usually provided with a multi-line, or interlinear, gloss. In these examples, the optional first line will indicate which language the example is in, if it is not clear from context. The next line presents the text in that language, followed by the pronunciation. After this, the text is broken into its component morphemes, and the following line provides a morpheme-by-morpheme gloss. The final line provides an English translation of the example phrase or sentence.

(2) Tavonic

Oko nan šeðo.

/o'ko nan ʃe'ðo/

oko nan šeðo

dog PL.AN.TOP run.IND.PST.PRG

'The dogs were running.'

As shown in example 2, morpheme glosses are labeled with abbreviations in SMALL CAPS. A full list of all glossing abbreviations is given on page vii. A hyphen marks a morpheme boundary within a word that is shared between the text and its gloss, while a period marks a boundary present in only one or the other, including when a single word in the text corresponds to multiple words in its gloss. Clitics are marked with an equals sign, reduplication with a tilde, discontinuous affixes (e.g., infixes, circumfixes) with angle brackets, and morphemes that cannot be easily separated out with backslashes.

The LATEX source code for this grammar and a copy of this PDF are available in a public G GitHub repository. Undoubtedly, there will be errors in this document. If you notice any, please feel free to open an issue in the GitHub repository with a description and the location of the error.

Ian A. Cook Minneapolis, September 8, 2018

# Part I Tavonic Language Family

# History and Ethnography

This chapter will present a brief history of the Tavonic language family, followed by a short description of its ethnolinguistic context.

## 1.1 Brief History

The Tavotath (the Tavonic people) migrated to Ardusa hundreds of years ago in what they termed Year I of the Ardusan Era (AE). Ardusa is far from any other landmasses and is isolated from the influence of other lands and other peoples. The Tavotath landed in the warm southeastern regions of Ardusa where they first established their new home, naming this new realm *Urdeso*, a compound word meaning 'Safe Land'. Over the following centuries, the Tavotath spread westward and northward throughout the whole of Ardusa.

As the Tavotath spread, they formed several individual territories, each of which eventually developed into small kingdoms. These kingdoms constantly battled one another for power, and borders were continually shifting. Those who fled the fighting fled northward, furthering the Tavonic expansion throughout Ardusa. As the Tavotath spread farther apart and splintered, their language diverged. Two main dialects emerged, one in the north and one in the south.

After a few hundred years, one kingdom in the south emerged as dominant, conquering or allying with more and more kingdoms until, by 327 AE, the entire south of Ardusa was united under one empire. This empire enforced the usage of the language that had emerged in the south, thus forming the Alnuric language. The empire continued to push northward until it spread too thin and reached a stalemate with the allied kingdoms in the north around 371 AE. Finally, in 582 AE after a couple hundred years of relatively stable rule, the empire declined and divided again into individual territories, leaving behind six sovereign kingdoms.

While the empire was emerging in the south, the kingdoms in the north formed a loose alliance to resist its spread. The alliance managed to reach a stalemate with the empire, stopping its spread northward. The allied kingdoms together maintained the language that emerged in the north, thus forming the Redodhic language. Eventually, as the empire split in 582 AE and the northern alliance was no longer needed, the north also split into individual territories, leaving behind four sovereign kingdoms.

## 1.2 Ethnography

#### 1.2.1 Demonyms and Language Names

#### **Tavonic**

The Tavotath were a tribe that migrated to Ardusa together, fleeing their previous home. The Tavonic word *tavo* /ta'vo/ means 'person', and so the derived word *Tavotaþ* /ta.vo'taθ/ means 'people' or 'tribe'. In other words, the Tavotath referred to themselves as the People, with *Tavonak* being the Language of the People. The Alnuric- and Redodhic-derived words, *Tevodeþ* /te.vo'deθ/ and *Tovujiþ* /to.vu'dʒiθ/ respectively, refer to all people who descended from the original Tavotath tribe. Both Alnuric and Redodhic are Tavotath languages and part of the Tavonic language family.

#### Alnuric

For hundreds of years, the empire ruled in the southern region of Ardusa. The Tavonic word *unner* /un'ner/ 'empire' evolved into the Alnuric word *alnur* /al'nur/. *Alnurek* /al.nu'rek/ 'Alnuric' takes its name from this word. Meanwhile, the Redodhic name for the empire is *nonar* /no'nar/, and its name for the Alnuric language is *Nonrik* /non'rik/. Similarly, the Alnuric and Redodhic names for the Alnuric people are *Alnureh* /al.nu'reθ/ and *Nonrih* /non'riθ/ respectively.

#### Redodhic

In the north, the alliance resisted the empire's expansion. The Tavonic word aroltuta h / a,rol.tu'ta $\theta / a$  signifies 'alliance', however the alliance instead used the simpler form aruta h / a.ru'ta $\theta / a$  signify the alliance of those kingdoms standing against the empire. aruta h / a evolved into the Redodhic word aruta h / a and aruta h / a evolved into the Redodhic word aruta h / a and aruta h / a evolved into the Redodhic word aruta h / a and aruta h / a evolved into the Redodhic word. The Alnuric name for the alliance is aruta h / a and aruta h / a aruta aruta h / a evolved into the Redodhic name from this word. The Alnuric name for the alliance is aruta h / a e.rata aruta h / a aruta aruta h / a evolved into the Redodhic language is aruta h / a e.rata aruta h / a erata aru

#### 1.2.2 Ethnology

Here will be a brief ethnological description of the Tavotath.

#### 1.2.3 Demography

Here will be a brief demographical description of the Tavotath.

# Phonology

This chapter will present the inventory of consonants and vowels. An observational analysis of the Tavonic languages' syllable structures and phonotactics will follow. The chapter will close with notes on syllable stress within words and a brief exploration of intonation.

## 2.1 Tavonic Phoneme Inventory

#### 2.1.1 Consonants

With approximately 20 consonants, Tavonic has an "average" inventory. Table 2.1 shows the full chart of consonant phonemes, along with several allophones enclosed in parentheses. Table 2.2 shows how each consonant in Tavonic is romanized.

Despite its "average" inventory of consonants, there are many more allophones that occur in the language. First, any doubled consonant is realized as a geminated (elongated) consonant.

#### (I) unner /un:er/ 'empire'

Thus, example 1 above is realized with a lengthened [n]. A doubled  $\langle r \rangle$  is similarly geminated, but the pronunciation changes from a flap/tap to a trill.

The remaining allophones occur due to various sound change processes, mostly by assimilation. For example, /n/ becomes velarized when it appears immediately before a velar consonant.

#### (2) tavonga [ta.voŋˈga] 'humanlike'

As discussed above,  $\langle r \rangle$  can be pronounced as both a tap/flap [r] and as a trill [r]. Additionally, when part of certain consonant clusters, it can be pronounced as an approximant [1]. This primarily occurs when the  $\langle r \rangle$  leads into a cluster or immediately follows a nasal.

#### (3) frorgali [fros. ga.li] 'to un-see'

<sup>&</sup>lt;sup>1</sup>Ian Maddieson, "Consonant Inventories," in *The World Atlas of Language Structures Online*, ed. Matthew S. Dryer and Martin Haspelmath (Leipzig: Max Planck Institute for Evolutionary Anthropology, 2013), http://wals.info/chapter/1.

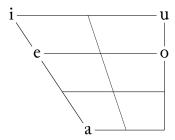
Table 2.1: Tavonic Phonetic Consonant Inventory (allophones in parentheses)

Velar	(ŋ)	ьь	Å				
N N		k	X				
lveolar			3				
Post-alveolar			J				
olar	u		Z	J	(r)	(r)	1
Alveolar			s				
ıtal		р	×O				
Dental		t	θ				
dental		p	Λ				
Labio-dental		Ь	J				
Bilabial	ш						
Consonants	Nasal	Plosive	Fricative	Flap/Tap	Trill	Approximant	Lateral

Table 2.2: Tavonic Consonant Romanization

Phone	Phoneme	Romanization	English	Notes
[m]	/m/	$\langle m \rangle$	$\langle m \rangle$	
[n]	/n/	$\langle n \rangle$	⟨n⟩	
[ŋ]	/n/	$\langle n \rangle$	⟨n⟩	/n/ becomes velarized before a velar consonant
[p]	/p/	$\langle p \rangle$	$\langle p \rangle$	
[b]	/b/	$\langle b \rangle$	⟨b⟩	
[t]	/t/	$\langle t \rangle$	⟨t⟩	
[d]	/d/	$\langle \mathrm{d} \rangle$	⟨d⟩	
[k]	/k/	⟨k⟩	⟨k⟩	
[g]	/g/	⟨g⟩	⟨g⟩	
[f]	/f/	$\langle f \rangle$	$\langle f \rangle$	
[v]	/v/	\langle v \rangle	\langle v \rangle	
$[\theta]$	/θ/	$\langle b \rangle$	⟨th⟩	
[გ]	/ᢐ/	$\langle \delta \rangle$	⟨dh⟩	
[s]	/s/	⟨s⟩	⟨s⟩	
[z]	/z/	⟨z⟩	⟨z⟩	
	/ʃ/	⟨š⟩	⟨sh⟩	
[3]	/3/	⟨ž⟩	⟨zh⟩	
[x]	/x/	⟨ťκ⟩	⟨kh⟩	
[ɣ]	/y/	⟨ğ⟩	⟨gh⟩	
[r]	/r/	⟨r⟩	⟨r⟩	
[r]	/r/	⟨rr⟩	$\langle rr \rangle$	$\langle r \rangle$ is trilled when doubled
[1]	/r/	$\langle r \rangle$	⟨r⟩	$\langle r \rangle$ is occasionally pronounced as an approximant when a part of a consonant cluster
[1]	/1/	$\langle 1 \rangle$	$\langle 1 \rangle$	

Table 2.3: Tavonic Vowel Inventory



#### 2.1.2 Vowels

Tavonic distinguishes five vowel qualities, as shown in Table 2.3, giving it an "average" inventory.<sup>2</sup> This means the consonant—vowel ratio is 20:5 or 4.0, which is "average".<sup>3</sup> Tavonic does not distinguish long and short vowels and does not allow any diphthongs.

Note that all Tavonic vowels have a very rigid acceptable pronunciation with very little variance.

- (4) a. *akrinsali* 'to rewrite' is pronounced /ak.rin'sa.li/. (i) is not pronounced with a lax [1] in closed syllables (i.e., /ak.rɪn'sa.li/)
  - b. *tlohevem* 'permission' is pronounced /tlo. $\theta$ e'vem/.  $\langle e \rangle$  is not pronounced with a central [ə] in unaccented syllables or an open [ɛ] in closed syllables (i.e., /tlo. $\theta$ ə'vɛm/), nor is it diphthongized to [eɪ̯] (i.e., /tlo. $\theta$ e'veɪm/)
  - c.  $\check{k}alo$  'man' is pronounced /xa'lo/.  $\langle a \rangle$  is not pronounced with a raised [ $\alpha$ ] (i.e., /x $\alpha$ 'lo/), a backed [ $\alpha$ ] (i.e., /x $\alpha$ 'lo/), or a centralized [ $\alpha$ ] (i.e., /x $\alpha$ 'lo/)
  - d. *esondi* 'arable' is pronounced /e.son'di/. (o) is not pronounced with an open [ɔ] (i.e., [e.sɔn'di]), nor is it diphthongized to [ou] (i.e., /e.soun'di/)
  - e. *frumbali* 'to misunderstand' is pronounced /frum'ba.li/. ⟨u⟩ is not pronounced with an open [Δ] (i.e., /frʌm'ba.li/) or a centralized [υ] (i.e., /frum'ba.li/)

#### 2.2 Tayonic Phonotactics

At the time of writing, there does not yet exist a sufficient corpus for a meaningful statistical analysis of Tavonic's phonotactics. Therefore, this section will present only a cursory observational analysis.

#### 2.2.1 Syllable Structures

<sup>&</sup>lt;sup>2</sup>Ian Maddieson, "Vowel Quality Inventories," in *The World Atlas of Language Structures Online*, ed. Matthew S. Dryer and Martin Haspelmath (Leipzig: Max Planck Institute for Evolutionary Anthropology, 2013), http://wals.info/chapter/2.

<sup>&</sup>lt;sup>3</sup>Ian Maddieson, "Consonant-Vowel Ratio," in *The World Atlas of Language Structures Online*, ed. Matthew S. Dryer and Martin Haspelmath (Leipzig: Max Planck Institute for Evolutionary Anthropology, 2013), http://wals.info/chapter/3.

## 2.2.2 Phonological Changes

Placeholder

## 2.2.3 Syllable Parsing

Placeholder

#### 2.2.4 Number of Syllables per Word

Placeholder

## 2.3 Tavonic Prosody

Placeholder

## 2.3.1 Syllable Weight

Placeholder

#### 2.3.2 Word Stress

Placeholder

#### 2.3.3 Intonation

Placeholder

# 2.4 Alnuric Phoneme Inventory

Placeholder

#### 2.4.1 Consonants

Placeholder

#### 2.4.2 Vowels

## 2.5 Alnuric Phonotactics

Placeholder

## 2.5.1 Syllable Structures

Placeholder

## 2.5.2 Phonological Changes

Placeholder

## 2.5.3 Syllable Parsing

Placeholder

#### 2.5.4 Number of Syllables per Word

Placeholder

# 2.6 Alnuric Prosody

Placeholder

## 2.6.1 Syllable Weight

Placeholder

#### 2.6.2 Word Stress

Placeholder

#### 2.6.3 Intonation

Placeholder

# 2.7 Redodhic Phoneme Inventory

#### 2.7.1 Consonants

Placeholder

#### 2.7.2 Vowels

Placeholder

## 2.8 Redodhic Phonotactics

Placeholder

## 2.8.1 Syllable Structures

Placeholder

## 2.8.2 Phonological Changes

Placeholder

## 2.8.3 Syllable Parsing

Placeholder

## 2.8.4 Number of Syllables per Word

Placeholder

## 2.9 Redodhic Prosody

Placeholder

## 2.9.1 Syllable Weight

Placeholder

#### 2.9.2 Word Stress

# 2.9.3 Intonation

# Morphological Typology

What's the morphological typology like?

# Morphology

How does the morphology work?

# Compounding

How does compounding work?

# **Time and Measurement**

How to tell time and measure things.

# Derivation

How do you make new words?

# Syntax

How do words go together?

# Discourse

How does conversation work?

# **Tavonic Reference Grammar**

Here is a reference grammar for Tavonic.

# Alnuric Reference Grammar

Here is a reference grammar for Alnuric.

# Redodhic Reference Grammar

Here is a reference grammar for Redodhic.

# Part II Kalaakan Language Family

# History and Ethnography

# Phonology

## Morphological Typology

# Morphology

# Compounding

### **Time and Measurement**

## Derivation

### 

# Syntax

## Discourse

## Kalaakan Reference Grammar

## Elvish Reference Grammar

## **Dwarvish Reference Grammar**

## Orcish Reference Grammar

# Part III Kunmian Language Family

# History and Ethnography

# Phonology

## Morphological Typology

## Morphology

# Compounding

## **Time and Measurement**

## Derivation

## Syntax

## Discourse

### Kunmian Reference Grammar

### **Gnomish Reference Grammar**

# Part IV Appendices

## **Conceptual Metaphors**

What metaphors do the vocabulary convey?

Language is a tool. I speak *with* or *using* Tandi, rather than just speaking Tandi.

В

# Kinship

(

### Names

D

# Examples

Ε

# Vocabulary

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## Index

```
allophony, 4, 5

consonants
    allophones, see allophony
    gemination, 4
    inventory, 5
    romanization, 6

vowels
    inventory, 7
```